

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/857,612

Source: PCT/09

Date Processed by STIC: 8/1/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER 703-308-4212

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX 703-308-4216

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable Format (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,612

DATE: 08/01/2001

TIME: 18:15:44

Input Set : A:\BB1262 pct sequence listing.txt
 Output Set: N:\CRF3\08012001\I857612.raw

3 <110> APPLICANT: E. I. du Pont de Nemours and Company
 5 <120> TITLE OF INVENTION: Plant Lecithin:Cholesterol Acyltransferases
 7 <130> FILE REFERENCE: BB1262
 O--> 9 <140> CURRENT APPLICATION NUMBER: US/09/857,612
 O--> 10 <141> CURRENT FILING DATE: 2001-07-19
 12 <150> PRIOR APPLICATION NUMBER: 60/110,782
 W--> 13 <151> PRIOR FILING DATE: 1998-December-03 1998-12-03 (use this date format)
 E--> 15 <160> NUMBER OF SEQ ID NOS: (14) ISG
 17 <170> SOFTWARE: Microsoft Office 97

Does Not Comply
 Corrected Diskette Needed

see below

ERRORED SEQUENCES

774 <210> SEQ ID NO: 15
 775 <211> LENGTH: 432
 776 <212> TYPE: PRT
last sequence in file
 777 <213> ORGANISM: Arabidopsis thaliana
 779 <400> SEQUENCE: 15
 780 Met Lys Lys Ile Ser Ser His Tyr Ser Val Val Ile Ala Ile Leu Val
 781 1 5 10 15
 783 Val Val Thr Met Thr Ser Met Cys Gln Ala Val Gly Ser Asn Val Tyr
 784 20 25 30
 786 Pro Leu Ile Leu Val Pro Gly Asn Gly Gly Asn Gln Leu Glu Val Arg
 787 35 40 45
 789 Leu Asp Arg Glu Tyr Lys Pro Ser Ser Val Trp Cys Ser Ser Trp Leu
 790 50 55 60
 792 Tyr Pro Ile His Lys Lys Ser Gly Gly Trp Phe Arg Leu Trp Phe Asp
 793 65 70 75 80
 795 Ala Ala Val Leu Leu Ser Pro Phe Thr Arg Cys Phe Ser Asp Arg Met
 796 85 90 95
 798 Met Leu Tyr Tyr Asp Pro Asp Leu Asp Asp Tyr Gln Asn Ala Pro Gly
 799 100 105 110
 801 Val Gln Thr Arg Val Pro His Phe Gly Ser Thr Lys Ser Leu Leu Tyr
 802 115 120 125
 804 Leu Asp Pro Arg Leu Arg Asp Ala Thr Ser Tyr Met Glu His Leu Val
 805 130 135 140
 807 Lys Ala Leu Glu Lys Lys Cys Gly Tyr Val Asn Asp Gln Thr Ile Leu
 808 145 150 155 160
 810 Gly Ala Pro Tyr Asp Phe Arg Tyr Gly Leu Ala Ala Ser Gly His Pro
 811 165 170 175
 813 Ser Arg Val Ala Ser Gln Phe Leu Gln Asp Leu Lys Gln Leu Val Glu
 814 180 185 190
 816 Lys Thr Ser Ser Glu Asn Glu Gly Lys Pro Val Ile Leu Leu Ser His
 817 195 200 205
 819 Ser Leu Gly Gly Leu Phe Val Leu His Phe Leu Asn Arg Thr Thr Pro
 820 210 215 220
 822 Ser Trp Arg Arg Lys Tyr Ile Lys His Phe Val Ala Leu Ala Ala Pro

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Input Set : A:\BB1262 pct sequence listing.txt
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823	225	230	235	240													
825	Trp	Gly	Gly	Thr	Ile	Ser	Gln	Met	Lys	Thr	Phe	Ala	Ser	Gly	Asn	Thr	
826				245					250						255		
828	Leu	Gly	Val	Pro	Leu	Val	Asn	Pro	Leu	Leu	Val	Arg	Arg	His	Gln	Arg	
829					260					265					270		
831	Thr	Ser	Glu	Ser	Asn	Gln	Trp	Leu	Leu	Pro	Ser	Thr	Lys	Val	Phe	His	
832					275			280				285					
834	Asp	Arg	Thr	Lys	Pro	Leu	Val	Val	Thr	Pro	Gln	Val	Asn	Tyr	Thr	Ala	
835					290			295				300					
837	Tyr	Glu	Met	Asp	Arg	Phe	Phe	Ala	Asp	Ile	Gly	Phe	Ser	Gln	Gly	Val	
838	305					310					315					320	
840	Val	Pro	Tyr	Lys	Thr	Arg	Val	Leu	Pro	Leu	Thr	Glu	Glu	Leu	Met	Thr	
841						325				330					335		
843	Pro	Gly	Val	Pro	Val	Thr	Cys	Ile	Tyr	Gly	Arg	Gly	Val	Asp	Thr	Pro	
844						340				345					350		
846	Glu	Val	Leu	Met	Tyr	Gly	Lys	Gly	Gly	Phe	Asp	Lys	Gln	Pro	Glu	Ile	
847						355			360					365			
849	Lys	Tyr	Gly	Asp	Gly	Asp	Gly	Thr	Val	Asn	Leu	Ala	Ser	Leu	Ala	Ala	
850						370			375					380			
852	Leu	Lys	Val	Asp	Ser	Leu	Asn	Thr	Val	Glu	Ile	Asp	Gly	Val	Ser	His	
853	385					390				395					400		
855	Thr	Ser	Ile	Leu	Lys	Asp	Glu	Ile	Ala	Leu	Lys	Glu	Ile	Met	Lys	Gln	
856						405				410					415		
858	Ile	Ser	Ile	Ile	Asn	Tyr	Glu	Leu	Ala	Asn	Val	Asn	Ala	Val	Asn	Glu	
859						420				425					430		
E-->	862	15															

delete

fix →

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/857,612

DATE: 08/01/2001
TIME: 18:15:45

Input Set : A:\BB1262 pct sequence listing.txt
Output Set: N:\CRF3\08012001\I857612.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:64 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:65 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:1
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:125 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:424 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9
L:424 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:862 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:15
L:15 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (14) Counted (15)